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NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

PHOOTOGRAPHIC
INTERPRETATION
REPORT

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(See inside cover)

**PROBABLE ALTITUDE TEST
POSITION AT KAZAN MISSILE
PROPULSION R&D FACILITY, USSR**

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PROBABLE ALTITUDE TEST POSITION AT KAZAN MISSILE PROPULSION R&D FACILITY, USSR

1. A probable altitude test position (Figure 1) was nearly complete at Kazan Missile Propulsion Research and Development (R&D) Facility [] when seen on photography of September 1976. It is the larger of two vertical test positions at the facility.

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2. The probable altitude test position consists of a crane-served test cell ducted through an associated building to a probable atmospheric exhaust vent (Figure 2). Construction of the associated building began in 1967, but work on the test cell was not started until 1972. During the delayed construction of the test cell, the ventilation system for the associated building was probably modified, indicating that the associated building may not have originally been designed to serve the new test cell.

3. The identification of the Kazan probable altitude test position is primarily based upon its similarity to the J-4 altitude test position at the Large Rocket Facility, Arnold Engineering Development Center, Tullahoma, Tennessee (Figure 3). Both positions contain a vertical test cell constructed partially below ground. Each cell is served by the same type of gantry crane. At each position, exhaust appears to be ducted away in the same manner to remote atmospheric exhaust vents of similar design. A possible capsule under construction at the Kazan test cell is smaller than, but otherwise similar to, the J-4 test capsule: []

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[] Like the J-4 test capsule, the possible Kazan capsule is apparently constructed from several vertically stacked parts, including a semipermanent base spool, one or more extension spools, and a lid.

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4. Another possible component of the Kazan test cell was observed under the gantry crane (Figure 1) on three occasions [] The object is cylindrically shaped [] Additional construction materials/cell components were noted at the test position and new construction was observed nearby, indicating that the test position was still incomplete.

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5. Although no diffuser has been identified for the Kazan test cell, the similarity between the Kazan and J-4 cells is great enough to suggest that the Kazan position is designed for altitude testing. The most apparent difference between the two test positions is test cell size. The very large J-4 test cell has a maximum thrust capability of 1.5 million pounds. The Kazan cell is much smaller, but no estimate of its thrust capability is available.

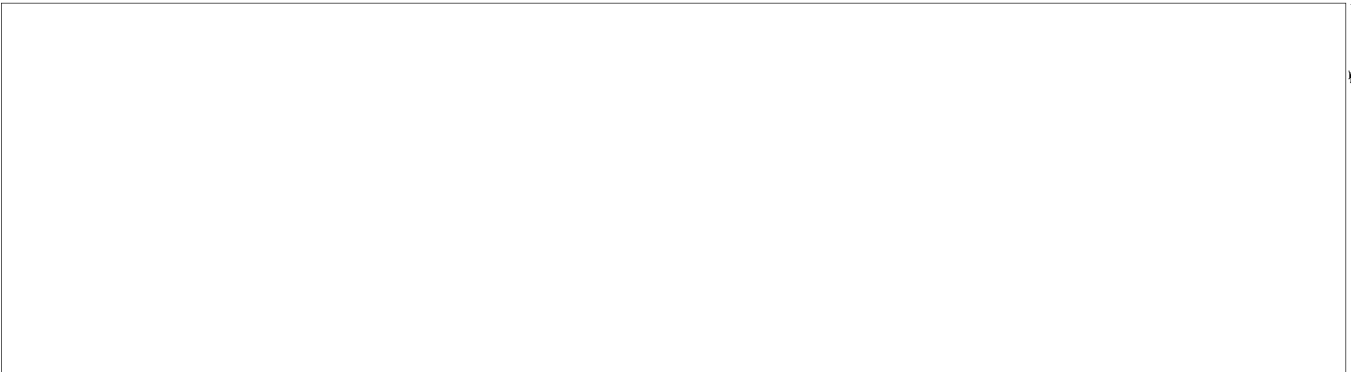
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REFERENCES



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MAPS OR CHARTS

SAC. US Air Target Chart, Series 200, Sheet 0165-1, scale 1:200,000

REQUIREMENT

Project 143470NB



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